

two orders, of which BERNARD has collected and described 202. Of these 4 are new to Java, 79 others are new to the East Indian region, and 81 are described as new species or varieties. By 580 carefully drawn figures, rather crowded on the plates, the author represents all species of his collection, so that later workers can see what plants he has actually been working with. The evident care and thoroughness of the work indicate that this is no mean contribution to the knowledge of the Javenese flora.—C. R. B.

Folk names of Brazilian plants.—For some years there has been running through the *Pharmaceutical Review* a series of articles by Dr. THEODOR PECKOLT, giving the vernacular names of Brazilian plants and plant products, including both the Portuguese names and those adopted from the Tupi language. This material is now brought together in book form,³ as monograph no. 15 of the Pharmaceutical Science Series, under the editorship of Dr. EDWARD KREMERS. The vernacular names appear in alphabetic order, with the German equivalent where it exists, the scientific equivalent, including the specific name and family name, when known, and brief comments in German on the use made of the products. It is rather unfortunate that there is not an index to the scientific names, for this would undoubtedly greatly increase the usefulness of what has been a difficult and time-consuming task. The volume will be of special assistance to taxonomists, to dealers in crude drugs, and to manufacturers who call for Brazilian products.—C. R. B.

German South-polar Expedition.—The second part of the eighth volume (Botany) of the sumptuous report upon this expedition has just been issued,⁴ with an account by REINBOLD of all the seaweeds except the Lithothamniaceae, which are elaborated by FOSLIE. The collections were not extensive and no new species were found by REINBOLD. FOSLIE, however, recognized and described several new unsegmented corallines from the material obtained by this expedition, and here presents again the descriptions with photographic illustrations.—C. R. B.

NOTES FOR STUDENTS

A primitive type of seed.—OLIVER has made a most interesting contribution⁵ to our knowledge of the structure of paleozoic seeds. In 1875 WILLIAMSON

³ PECKOLT, THEODOR, Volksbenennungen der brasilianischen Pflanzen und Produkte derselben in brasilianischer (portugiesischer) und von der Tupisprache adoptirten Namen. 8vo. pp. 252. Milwaukee: Pharmaceutical Review Publishing Co. 1907.

⁴ Deutsche Südpolar-Expedition, 1901-1903, im Auftrage des Reichsamtes des Innern herausgegeben von ERICH VON DRYGALSKI, Leiter der Expedition. VIII. Band, Botanik, Heft II. (1) REINBOLD, TH., Die Meeresalgen, pp. 179-202. (2) FOSLIE, M., Die Lithothamniën. pp. 203-220. pl. 20. figs. 1-6. Berlin: Georg Reimer. 1908. M 5.

⁵ OLIVER, F. W., On *Physostoma elegans* Williamson, an archaic type of seed from the Palaeozoic rocks. *Annals of Botany* 23:73-116. pls. 5-7. figs. 10. 1909.